PATENT COOPERATION TREATY PCT

INTERNATIONALSEARCHREPORT

(PCT Article 18 and Rules 43 and 44)

FOR FURTHER

Applicant's or agent's file reference





PCT8299-8343		ACTION as well as, where applicable,		as, where applicable, item 5 below.					
International application No.		International filing date(day/	month/year)	(Earliest) Priority Date (day/month/year)					
PCT/JP2005/020687		04.11.200)5	05.11.2004					
Applicant	 	<u> </u>							
SEMIC	ONDUCTOR ENERG	GY LABORATORY	CO., LT	D.					
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according									
to Article 18. A copy is being transmitted to the International Bureau.									
This international search report consists of a total of 3 sheets.									
It is also accompanied by a copy of each prior art document cited in this report.									
Basis of the report a. With regard to the language, the international search was carried out on the basis of:									
the international application in the language in which it was filed									
a translation of the international application into , which is the language									
of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))									
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.									
2.									
3.									
4. With regard to the title,									
the text is approved as submitted by the applicant									
1.3 the total has been established by this Authority to lead as follows.									
. •	ard to the abstract,								
<u> </u>	the text is approved as submitt			1					
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority									
6. With regard to the drawings,									
a. the figure of the drawings to be published with the abstract is Figure No1									
	as suggested by the appl	icant							
	as selected by this Author	ority, because the applicant faile	ed to suggest a	figure					
	as selected by this Authority, because this figure better characterizes the invention								
b. 🗔	none of the figures is to be pul	blished with the abstract		2007 2 02					

INTERNATIONALSEARCHREPORT

International application No. PCT/JP2005/020687

CLASSIFICATION OF SUBJECT MATTER

Int.Cl. H01L51/50(2006.01), G09F9/30(2006.01), H01L27/32(2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl. H01L51/50(2006.01), G09F9/30(2006.01), H01L27/32(2006.01)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Published examined utility model applications of Japan 1922-1996
Published unexamined utility model applications of Japan 1971-2006
Registered utility model specifications of Japan 1996-2006
Published registered utility model applications of Japan 1994-2006

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

· · · · · · · · · · · · · · · · · · ·	IENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where	Relevant to claim No.			
P,X P,A	JP 2006-24791 A (KIDO JUN 2006.01.26, All Claims, Ful Data Reported)	1-3,7,9,11, 12 4-6,8,10			
P,X P,A	JP 2005-166637 A (KIDO JUI 2005.06.23, All Claims, Fu & CN 1620212 A & EP 153024 A1	1-3,7,9,11, 12 4-6,8,10			
A	JP 2003-272860 A (KIDO JUN 2003.09.26 claims paragrap & CN 1447629 A & EP 135155 & US 2003-189401 A1	1-12			
Further documents are listed in the continuation of Box C. Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "A" later document published after the international filing date understand the principle or theory underlying the invention can document of particular relevance; the claimed invention can document of pa					
Date of the ac	etual completion of the international search	Date of mailing of the international search report			
02.02.2006 21.02.2006					
	iling address of the ISA/JP	Authorized officer	2V 9313		
	apan Patent Office nigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	Tsutomu Kosugo Telephone No. +81-3-3581-1101 Ext. 3271			
, u	g,	1 Leiennone No +XI=1-101 F	VT 4') /		

INTERNATIONALSEARCHREPORT

International application No. PCT/JP2005/020687

C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relev	ant passages	Relevant to claim No.
Α	JP 2000-309566 A (IDEMITSU KOSAN CO) 2000.11.07, Claims, paragraph 147 & CN 1277626 A & EP 1029909 A1 & TW 2 & US 2003-143430-A1 & WO-00/14174 A	4-6,8,9	
A	WO 04/094389 A (SEMICONDUCTOR ENERGY : 2004.11.04, Claims & EP 1616864 A1 & US 2005- 186446 A1	LAB)	4-6,8,9
			·

Form PCT/ISA/210 (continuation of second sheet) (April 2005)